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ADLINGTON URBAN DISTRICT COUNCIL
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R E P O R T

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR ENDING

31st DECEMBER, 1967
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To: THE CHAIRMAN and MEMBERS of the ADLINGTON URBAN DISTRICT COUNCIL

Mr. Chairman, Lady and Gentlemen,

I have pleasure in submitting to you the report of the Health and Sanitary Circumstances of the District for the year ended 31st December, 1967.

According to the Registrar General's mid-June Estimates of Population, the estimated population for Adlington was 4,560 which is 30 more than last year's figure.

The number of live births assignable to the District was 82 - 10 more than in 1966. This gives a Birth Rate for the Urban District of 18.0 per 1000 population (adjusted 18.0) compared with a Birth Rate for the country as a whole of 17.2.

The number of deaths attributable to the District was 69, 25 more than in the previous year, and the highest recorded for many years, giving a Death Rate of 15.1 per 1000 (adjusted 16.0) compared with the Death Rate for England and Wales of 11.2. Of these, 35 deaths were of people 70 years of age and over, (1 was 91, 1 was 88, 14 were 80 and over, 13 were 75 and over, 6 were 70 and over). There were two deaths from accident (one being a road accident), and there was one suicide.

The number of deaths from malignant neoplasms was 10, which is 6 less than last year; Coronary thrombosis was responsible for the deaths of 17 persons, 6 of these being under 65 years of age.

There were 4 deaths of premature babies (two of them twins) as against none last year. This gives an Infantile Mortality Rate of 49.0 compared with 18.3 per 1000 population for the country as a whole. There was one Stillbirth as in 1966.

The number of cases of Infectious Disease notified was 96 as against 110 in 1966 - 6 Scarlet Fever, 15 Whooping Cough and 75 Measles, the Measles epidemic which reached Adlington in the previous October lasted till April. The Whooping Cough cases occurred chiefly in October, being the largest number for some years past.

The County Council Health Clinic in Railway Road is now well-used, and Chiropody is available for old people and registered handicapped persons.

The number of houses being improved by means of Standard Grants was 10, applications for Grants were received regularly through the year, especially from new owner/occupiers of houses lacking all or some of the standard amenities.

An estate which will comprise 64 three-bedroom houses was started during the year by private developers, and the second phase of an estate of 76 three-bedroom houses and two or three bedroom bungalows is nearing completion. More private development is planned for 1968. The Council have let 38 individual plots of land to persons building their own house on two sites owned by them, and dwellings are in course of erection on most of these plots.

The Council are building 16 three-bedroom houses, 16 one-bedroom flats (two storeys) and 16 Old People's Bungalows with Warden Service, together with a house for the Warden. The first two houses were completed in December, the other dwellings are expected to be completed by the middle of 1968.

Other matters dealing with environmental conditions are dealt with in the Report.

I wish to express my appreciation of the valuable assistance I receive from Mr. A. Livesey, the Public Health Inspector and Surveyor, and of the willing co-operation of other members of the Staff. I am also grateful to the Chairman and Members of the Public Health Committee for the support and consideration extended to me.

I am, Mr. Chairman, Lady and Gentlemen,
Your obedient Servant,

J. WALKER

Medical Officer of Health.

September, 1968.

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URBAN DISTRICT OF ADLINGTON

VITAL STATISTICS 1967

Area	1062 acres
Population (Registrar General's Estimate mid-1967 ..	4560.
Number of inhabited houses	1643
Rateable Value at 1st April, 1967	£116,798.
Product of 1d Rate	£448.

<u>Births</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Live Births - Legitimate	41	39	80
Illegitimate	-	2	2
	<u>41</u>	<u>41</u>	<u>82</u>

Birth Rate per 1000 population - Crude	= 18.0
Adjusted	= 18.0

Illegitimate live births per cent of total births	= 2.44
Stillbirths	1
Total live and stillbirths	83
Stillbirth Rate per 1000 live births	= 12.0

<u>Deaths</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Deaths of infants under one year ..	3	1	4
ditto under four weeks ..	3	1	4
ditto under one week ..	2	1	3

Infant Mortality Rate per 1000 live births	
Legitimate	= 49.0
Illegitimate	= nil

Neo-natal Mortality Rate per 1000 live births	= 49.0
Early neo-natal Mortality Rate	= 37.0

Peri-natal Mortality Rate (Stillbirths and deaths under one week combined for 1000 total live and stillbirths)	= 48.0
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Maternal deaths (including abortion)	Nil
Maternal Mortality Rate per 1000 live and stillbirths	Nil

<u>Deaths (all ages)</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
	35	34	69

Death Rate per 1000 population	
all Causes	
Crude	= 15.1
Adjusted	= 16.0

Death Rate per 1000 from Malignant Neoplasms	= 2.41.
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Cause of Death	Sex	Total all ages	Under four weeks	4 wks & un- der 1.	1-	5-	15-	25-	35-	45-	55-	65-	75-
Syphilitic Disease	M	-											-
	F	1											1
Malignant Neo- plasm (Stomach)	M	1										1	
	F	-										-	
Ditto (Lung, Bronchus)	M	3									2		1
	F	-									-		-
Other Malignant & lymphatic neop.	M	5					1					2	2
	F	2					-			1		-	1
Vascular lesions of nervous system	M	8								1	-	3	4
	F	7								-	1	2	4
Coronary Disease	M	7								1	3	1	2
Angine	F	10								1	1	2	6
Hypertension with Heart disease	M	-										1	-
	F	2										1	1
Other Heart disease	M	2									-	2	-
	F	5									1	-	4
Other circulatory disease	M	1											1
	F	1											1
Influenza	M	-											
	F	1			1								
Bronchitis	M	1									1		-
	F	1									-		1
Other diseases of respiratory syst.	M	-										-	
	F	1										1	
Hyperplasia of Prostate	M	1											1
													-
Congenital mal- formations	M	1	1										
	F	-	-										
Other defined & ill-defined diseases	M	3	2								-	1	
	F	2	1								1	-	
Motor vehicle accidents	M	1									1		
	F	-									-		
All other accidents	M	1											1
	F	-											-
Suicide	M	-						-					
	F	1						1					
TOTAL	M	35	3	-	-	-	-	1	-	2	7	10	12
All causes	F	34	1	-	1	-	-	1	-	2	4	6	19

	Live Births		Deaths (all causes)		Stillbirths		Maternal Mortality		Infant Mortality			
	Number regist- ered	Rate per 1000 (crude)	Number regist- ered	Rate per 1000 (crude)	Number regist- ered	Rate per 1000 live births.	Number of deaths regist- ered	Rate per 1000 live births	Number of deaths regist- ered	Rate per 1000 live births	Neo-natal	
Year 1967	82	18.0	69	15.1	1	12.0	-	-	4	49	2	48
Year 1966	72	15.9	44	9.7	1	13.7	-	-	-	-	-	-
Year 1965	82	18.1	47	10.4	-	-	-	-	1	12.2	-	-
Year 1964	92	20.4	45	10.0	2	21.3	-	-	2	21.7	2	21.7
Year 1963	87	18.8	46	10.0	3	33.3	-	-	2	23.0	2	23.0
Year 1962	77	16.9	41	9.0	2	25.3	-	-	3	39.0	3	39.0
Average 5 years 1962 - 1966	82	18.02	44.6	9.82	1.6	18.72	-	-	1.6	19.18	1.4	16.74

Adjusted (Live birth-rate - comparability factor 1.00 = 18.0 per 1000)
(Death-rate - comparability factor 1.06 = 16.0 per 1000)

GENERAL PROVISIONS OF HEALTH SERVICE

Staff

Medical Officer of Health: - J. Walker, M.B., Ch.B., D.P.H., L.D.S., D.P.D.
Divisional Medical Officer to the Health Division No. 4 Lancashire County Council, and Medical Officer of Health to the Borough of Chorley and the Urban District Councils of Fulwood, Leyland, Longridge and Walton-le-Dale, and to Preston and Chorley Rural District Councils.

Deputy Medical Officer of Health:- N. T. W. Pover, L.R.C.S., L.R.F.P.S., L.M.S.S.A., D.P.H. Senior Assistant Divisional Medical Officer to the Health Division No. 4 Lancashire County Council.

Laboratory Facilities

Pathological Laboratory, Preston Royal Infirmary.
Public Health Laboratory, Preston Royal Infirmary.

The Public Health Laboratory Service is directed by the Medical Research Council for the Ministry of Health, and caters for every aspect of the Public Health work of a Local Authority related to the Bacteriological and pathological examination of samples and specimens.

Ambulance Facilities

Provided by the Lancashire County Council Ambulance Service (Chorley Station). All the ambulance vehicles are now radio-controlled from the County Ambulance Headquarters at Broughton - Telephone: Broughton 2678.

Nursing in the Home

There is one "District Nurse" practising in the area. She is Nurse W. Burns, The Bungalow, Town Lane, Charnock Richard.
Telephone: Coppull 423.

Treatment Clinics

Ancillary School Clinics (Orthopaedic, Dental and Eye, etc.) are held at Collison Avenue, Chorley, and are attended by practitioners of Specialist status.

Tuberculosis Clinics

The Chest Clinic, Chorley and District Hospital. A Chest Physician attends. This Clinic is also used as a consultant Clinic for chest conditions other than Tuberculosis.

Hospital Facilities

Chorley and District Hospital
Eaves Lane Hospital, Chorley
Wigan Infirmary
Bolton Infirmary
Preston Royal Infirmary
Sharoe Green Hospital, Fulwood
Heath Charnock Hospital
Whelley Hospital, Wigan
Isolation Hospital, Deepdale, Preston.
Longsands Hospital, Fulwood.

MATERNITY AND CHILD WELFARE

These services are administered by the Lancashire County Council.

Domiciliary Facilities

There is no County Midwife resident in the District, the service is provided from adjacent areas.

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Ante-natal Clinics

The large majority of the expectant mothers in the area attend the ante-natal clinic at Collison Avenue, Chorley and avail themselves of the facilities provided by the Lancashire County Divisional Health Service.

Maternity Beds

Normal accommodation is available at Chorley and District Hospital and Eaves Lane Hospital, Chorley. Other hospitals are also available.

Child Welfare Centre

A Child Welfare Centre is held twice weekly (Mondays and Wednesdays 2-4 p.m.) at the Health Clinic, Railway Road, Adlington, and is attended by a Medical Officer of the Lancashire County Council as well as a County Health Visitor and a Clinic Nurse.

A Relaxation Class for expectant mothers is held on Tuesday afternoons at 1.30 p.m.

The telephone number of the Health Clinic is Adlington 746.

Health Visitor

The County Health Visitor for the area is Miss M. E. Jones, who may be contacted at the Health Clinic, Railway Road, Adlington.

Blood Transfusion Service

The Manchester Regional Hospital Board's Blood Transfusion Service held a Blood Donor Session at Adlington on 30th August, 1967.

PREVENTION AND CONTROL OVER INFECTIOUS DISEASES

During the year the following cases of Infectious Disease were notified:-

		<u>1967</u>	<u>1966</u>
Measles	..	75	104
Scarlet Fever	..	6	6
Whooping Cough	..	15	-

It is gratifying to note that this is the 23rd successive year without a Diphtheria case being notified.

Tuberculosis

No new case of pulmonary tuberculosis was added to the Register during the year,

The total number of cases on the Register at the end of the year was 8 of which 7 were pulmonary and one was non-pulmonary.

SANITARY CIRCUMSTANCES OF THE AREA

Water Supply

The water supply of the area is provided (1) from the Blackrod Reservoir by arrangement with Blackrod Urban District Council, and (2) from a tapping of the Thirlmere Aqueduct by arrangement with Manchester Corporation. The supplies are interchangeable and complementary.

Both supplies are chlorinated.

During the year 16 samples of water were submitted for bacteriological examination, results in all cases were satisfactory.

Two samples of water (one from each supplier) were sent for chemical analysis.

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The Chemical analysis of the water supply is as follows:-

Manchester Corporation, Thirlmere Aqueduct

Total solids in solution	..	44
Lead .. ..	..	nil
Copper .. ..	..	0.02
Zinc .. ..	..	nil
Total Iron ..	..	0.10
Fluorine (as F) ..	..	0.018
pH Value	8.6	

The sample was free from lead and zinc; the amount of copper is insignificant. The amount of iron found is less than the limit of 0.3 parts per million which is usually accepted for iron. The fluoride content of the water is considerably less than the optimum recommended quantity of 1 part per million for fluoridated waters.

Blackrod Urban District Council's reservoir

Total solids in solution	..	156
Lead .. ..	..	nil
Copper .. ..	..	nil
Zinc .. ..	..	nil
Total Iron ..	..	0.14
Fluorine .. ..	..	0.066
pH Value	7.5	

The sample was free from lead, copper and zinc. The amount of iron present was less than the limit of 0.3 per million usually accepted for this metal. The fluoride content of the water is considerably less than the optimum quantity of 1 part per million for fluoridated waters.

Consumption

Every house in the area has a "mains supply" of water. During the year ended 31st December, 1967 a total of 67,714,000 gallons was consumed for all purposes, giving an average consumption of 41.06 gallons per head of the population per day for all purposes.

After deducting 10,172,000 gallons of water supplied by meter to various premises during the year, this gives an average of 34.83 gallons per head per day for domestic use.

Drainage and Sewerage

Only 30 outlying properties are not connected to the sewerage system. These are in outlying parts of the district, 8 being farms.

Most of these properties have septic tanks, only 3 houses are not on a water carriage system.

Sewage Disposal is by precipitation and filtration over 3 coke filters at the Sewage Works at Harrisons Farm. The effluent is discharged into the River Douglas.

Regarding sewage disposal facilities - a matter which has caused the Authority much concern for a number of years, negotiations were still taking place at the end of the year with other interested parties, and it is now anticipated that a decision will be reached in the near future.

CHAPTER 10: THE HISTORY OF THE UNITED STATES

THE AMERICAN REVOLUTION

Year	Event	Significance
1776	Declaration of Independence	Established the United States as an independent nation
1781	Treaty of Paris	Ended the Revolutionary War and recognized the United States as an independent nation
1787	Constitution of the United States	Established the framework for the federal government
1791	Bill of Rights	Guaranteed the first ten amendments to the Constitution

The American Revolution was a period of conflict between the thirteen colonies and Great Britain, which resulted in the colonies gaining independence. The revolution was fought between 1775 and 1783, and it was a significant event in the history of the United States. The revolution was a result of the colonies' growing dissatisfaction with British rule, and it was a key moment in the development of the United States as a nation.

THE AMERICAN CIVIL WAR

Year	Event	Significance
1861	Secession of Southern States	Marked the beginning of the Civil War
1863	Emancipation Proclamation	Declared that all slaves in the Confederate States were free
1865	End of the Civil War	Resulted in the preservation of the Union and the abolition of slavery

The American Civil War was a conflict between the Northern and Southern states, which resulted in the Southern states losing and the Union being preserved. The war was fought between 1861 and 1865, and it was a significant event in the history of the United States. The war was a result of the Southern states' desire to secede from the Union and maintain slavery, and it was a key moment in the development of the United States as a nation.

CONCLUSION

The history of the United States is a complex and fascinating story, one that has shaped the world as we know it. From the early days of settlement to the present day, the United States has been a land of opportunity, innovation, and progress. The events of the American Revolution and the American Civil War were key moments in this history, and they continue to shape the United States today.

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Refuse Collection and Disposal

1710 moveable dustbins are emptied weekly by the local authority. The refuse is disposed of by controlled tipping at the Council-owned Tip in Bradshaw Fields.

Cleansing of Drains and Closets

Closet Accommodation:-

Privy middens - number of middens	...	1
Number of Closets attached thereto	...	1
Number of Pail Closets	...	1
Number of waste water Closets	...	1
Number of freshwater Closets	...	2010

Public Lavatories

There are Sanitary Conveniences at Babylon Lane and Station Road, and at the upper Recreation Ground. The Conveniences are cleaned daily by the Council's workmen. Wilful damage still occurs frequently.

Shops and Offices

There are 85 registered Shops in the area. No action under the Shops Act or Public Health Act, 1936 was taken during the year. The County Council are responsible for the administration of the Shops Act; your Public Health Inspector made 39 visits to these premises during the year.

Camping sites

There are no camping sites in the area.

Smoke Abatement

Number of Factory Chimneys and Works Chimneys in the area	...	4
Number of observations taken during the year	...	10

No legal proceedings were taken for excessive smoke emissions during the year; personal contact with the firms and their boiler personnel was maintained by the Public Health Inspector.

Disinfestation of Houses

10 houses were found to be infested during the year 1967 and dealt with.

Schools

The water supply of the Schools is from the mains:

The following Schools are within the Urban District:-

Adlington C.E. Infants School
St. Paul's C.E. Infants School
St. Paul's C.E. Junior School.

Other matters

There are in the area no Common Lodging Houses or "Houses let in Lodgings" registered: no Swimming Baths or Pools; no underground sleeping rooms; no premises where rag flock is manufactured, and no premises for the undertaking of offensive trades.

Summary of Sanitary Inspections

Number of premises visited	...	...	390
Number of visits made to above	...	...	710
Number of nuisances discovered	...	...	65
Number of nuisances abated	...	...	60
Number of informal notices served	...	...	10
Number of Statutory Notices served	...	...	3

There were no legal proceedings for the abatement of nuisances.

ARTICLE 1. SCOPE AND PURPOSE

1.1. This Agreement is entered into by and between the undersigned parties, for the purpose of establishing the terms and conditions of the relationship between them.

ARTICLE 2. DEFINITIONS

2.1. For the purposes of this Agreement, the following definitions shall apply:

- (a) "Party" means any individual or entity that is a party to this Agreement.
- (b) "Agreement" means this Agreement, including all amendments and supplements thereto.
- (c) "Effective Date" means the date on which this Agreement is signed by the last Party to sign it.
- (d) "Term" means the period of time during which this Agreement shall remain in effect.

ARTICLE 3. REPRESENTATIONS AND WARRANTIES

3.1. Each Party represents and warrants that it is a legal entity, duly organized, validly existing, and in good standing under the laws of its jurisdiction of incorporation.

ARTICLE 4. TERM AND TERMINATION

4.1. This Agreement shall commence on the Effective Date and shall continue in full force and effect until terminated by the mutual written consent of the Parties.

ARTICLE 5. ASSIGNMENT

5.1. No Party shall assign its rights or obligations under this Agreement without the prior written consent of the other Parties.

ARTICLE 6. ENTIRE AGREEMENT

6.1. This Agreement constitutes the entire agreement between the Parties with respect to the subject matter hereof, and supersedes all prior negotiations, understandings, and agreements between the Parties.

ARTICLE 7. AMENDMENTS

7.1. Any amendments to this Agreement must be made in writing and signed by all Parties.

ARTICLE 8. DISPUTE RESOLUTION

8.1. Any dispute arising out of or in connection with this Agreement shall be resolved by arbitration in accordance with the rules of the International Chamber of Commerce.

IN WITNESS WHEREOF, the Parties have hereunto set their hands and seals at the City of New York, New York, on this 1st day of January, 2024.

ARTICLE 9. SIGNATURES

9.1. The Parties agree that the signatures of the authorized representatives of each Party, as set forth below, shall constitute their valid and binding signatures for the purposes of this Agreement.

ARTICLE 10. COUNTERSIGNED

10.1. The undersigned hereby certifies that the foregoing is a true and correct copy of the original Agreement, and that the signatures of the Parties are genuine.

HOUSING

(1) Number of new dwellings erected during the year:-

		<u>Houses</u>	<u>Flats</u>
(1)	By Local Authority ...	2	-
(2)	By other Local Authorities ...	-	-
(3)	By other bodies or persons ...	33	-

(2) Total Number of dwellings owned by the Local Authority at 31st December, 1966 ... 332.

(3) Inspections of Dwelling Houses during the year

(i)	(a)	Total No. of dwellings inspected formally or informally for housing defects (under Public Health or Housing Acts) ...	127
	(b)	No. of inspections, formal or informal, made for the purpose ...	148
	(c)	No. of dwellings in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit ...	65
(ii)		Total No. of dwellings existing at end of year which were unfit for human habitation and not capable at reasonable expense of being rendered fit and in respect of which -	
	(a)	Demolition, Clearance or Closing Orders have been made (at any time) ...	32
	(b)	Demolition, Clearance or Closing Orders have not yet been made ...	6

(4) Houses Demolished

In or adjoining Clearance Areas:

(i)	Houses unfit for human habitation ...	-
(ii)	Houses included by reason of bad arrangement ...	-
(iii)	Houses on land acquired under Section 43(2), Housing Act, 1957. ...	-

Not in or adjoining Clearance Areas:

(iv)	As a result of formal or informal procedure under Section 17(1), Housing Act, 1957... ...	-
(v)	Local Authority owned houses certified unfit by the Medical Officer of Health. ...	-
(vi)	Houses unfit for human habitation where action has been taken under local Acts ...	-
(vii)	Unfit houses included in Unfitness Orders ...	-

(5) Unfit Houses Closed

(i)	Under Sections 16(4), 17(1) and 35(1), Housing Act, 1957. ...	1
(ii)	Under Sections 17(3) and 26, Housing Act, 1957 ...	-
(iii)	Parts of buildings closed under Section 18, Housing Act, 1957 ...	-
	No. of Families displaced during the year from houses to be demolished or closed ...	1
	No. of Persons in these families... ...	3

(6) Unfit Houses made fit:

(i)	By owner after informal action by local authority. ...	65
(ii)	After formal notice under S.9 and S.16, Housing Act, 1957 - (a) By Owner ...	-
	(b) By Local Authority ...	-
(iii)	After formal notice under Public Health Acts ...	-
(iv)	After modification or revocation of a clearance order under S.21, Housing Act, 1961. ...	-
(v)	After determination of a demolition order under S.24 Housing Act, 1957 ...	-
(vi)	After determination of a closing order under S.27, Housing Act, 1961. ...	-

THE HISTORY OF THE UNITED STATES OF AMERICA

1. The first part of the history of the United States is the period from the discovery of the continent by Christopher Columbus in 1492 to the establishment of the first permanent English colony in 1607. This period is characterized by the exploration of the continent by Spanish, French, and English explorers, and the establishment of the first permanent English colony in Jamestown, Virginia.

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7. Unfit Houses in Temporary Use (Housing Act, 1957):-

	No. of Houses	No. of separate dwellings in column (1)
	(1)	(2)
Position at end of year:		
(i) Retained for temporary accommodation -		
(a) Under Section 48	-	-
(b) Under S.17(2)	-	-
(c) Under S.46	-	-
(ii) Licensed for temporary occupation under S.34 or S.53	-	-

8. Purchase of Houses by Agreement:-

Houses Occupants

Houses in Clearance Areas other than those included in confirmed orders or compulsory purchase orders - - -

7. Housing Act, 1949 and Housing (Financial Provisions) Act, 1958 - Improvement Grants, etc.:-

	Private Bodies or individuals		Local Authority	
	No. of schemes	No. of Houses or other bldgs affected	No. of schemes	No. of Houses or other bldgs. affected
(a) Submitted by private individuals to local authority.	-	-	-	-
(b) Approved by local authority	-	-	-	-
(c) Submitted by local authority to Ministry	-	-	-	-
(d) Finally approved by Ministry	-	-	-	-
(e) Work Completed	-	-	-	-
(f) Additional separate dwellings included in (e) above	-		-	
(g) Any other action taken under the Act	- None.			

8. House Purchase and Housing Act, 1959 - Standard Grants

	Private Bodies or individuals		Local Authority	
	No. of schemes	No. of Houses or other bldgs. affected	No. of schemes	No. of Houses or other bldgs. affected
(a) Submitted by private individuals to local authority	9	9	-	-
(b) Approved by local authority	9	9	-	-
(c) Work completed	10	10	-	-

Applications for Standard Grants are coming along steadily from owner/occupiers.

HOUSING CONDITIONS

Approximately half the houses are pre-1914, many are stone built, all with slated roofs, of the 2 or 3 bedroom terraced type, the smaller ones without bathrooms or hot water systems originally, but within recent years many of these have had bathrooms installed especially as they became owner-occupied. Less than 300 houses and houses with shops (other than Council houses) are rented property and are reasonably well maintained. Most of the owner-occupied houses are well-maintained. 489 dwellings have been built since 1945.

There is no known overcrowding

During the year 33 new dwellings were completed for private owners and 57 dwellings were under construction at the end of 1967.

THE UNIVERSITY OF CHICAGO

Department of
Chemistry

PHYSICAL
CHEMISTRY

PROBLEM SET 1
Due: 10/10/2023
Total: 100 points

1. (20 points) Consider the reaction of hydrogen and oxygen to form water. The standard enthalpy of formation of water is -285.8 kJ/mol . Calculate the standard enthalpy of formation of hydrogen peroxide, H_2O_2 , if the standard enthalpy of formation of H_2O is -285.8 kJ/mol and the standard enthalpy of formation of H_2O_2 is -136.1 kJ/mol .

2. (20 points) The standard enthalpy of formation of H_2O is -285.8 kJ/mol . Calculate the standard enthalpy of formation of H_2O_2 if the standard enthalpy of formation of H_2O is -285.8 kJ/mol and the standard enthalpy of formation of H_2O_2 is -136.1 kJ/mol .

Reaction	ΔH°_f (kJ/mol)
$\text{H}_2(\text{g}) + \frac{1}{2}\text{O}_2(\text{g}) \rightarrow \text{H}_2\text{O}(\text{l})$	-285.8
$\text{H}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow \text{H}_2\text{O}_2(\text{l})$	-136.1

- Calculate the standard enthalpy of formation of H_2O_2 if the standard enthalpy of formation of H_2O is -285.8 kJ/mol and the standard enthalpy of formation of H_2O_2 is -136.1 kJ/mol .
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3. (20 points) The standard enthalpy of formation of H_2O is -285.8 kJ/mol . Calculate the standard enthalpy of formation of H_2O_2 if the standard enthalpy of formation of H_2O is -285.8 kJ/mol and the standard enthalpy of formation of H_2O_2 is -136.1 kJ/mol .

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FACTORIES ACTS, 1937 to 1959

Prescribed Particulars on the Administration of the
Factories Acts, 1937
Part I of the Act

1. Inspections made for the purposes of provisions as to health (including inspections made by the Public Health Inspector).

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers prosecuted
(1) Factories in which sections 1, 2, 3, 4 and 6 are to be enforced by the Local Authority	2	2	-	-
(2) Factories not included in (1) in which Section 7 is enforced by the Local Authority	31	24	1	-
(3) Other premises in which Section 7 is enforced by Local Authority (excluding Outworkers' Premises)	-	-	-	-
Total	33	24	1	-

2. Cases in which defects were found.

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions insttd.
	Found	Remedied	Referred To H.M. Inspector	By H.M. Inspector	
Want of cleanliness (S.1)	-	-	-	-	-
Overcrowding (S.2)	-				
Unreasonable temperature (S.3)	-				
Inadequate ventilation (S.4)	-				
Ineffective drainage of floors (S.6)	-				
Sanitary conveniences (S.7)	-	-	-	-	-
a. Insufficient	4	4			
b. Unsuitable or defective	-				
c. Not separate for sexes	-				
Other offences against the Act (Not including offences relating to Outwork.)	-				
Total	4	4	-	-	-

Part VIII of the Act

Outwork

Nature of work	Section 110			Section 111		
	No. of outworkers in August list	No. of cases of default in sending lists to Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwholesome premises	Notices served	Prosecutions
Christmas Crackers	6	-	-	-	-	-

THE UNIVERSITY OF CHICAGO DEPARTMENT OF CHEMISTRY RECORD OF RESEARCH

RESEARCHER'S NAME: _____ DATE: _____

PROJECT TITLE: _____

EXPERIMENTAL DATA				REMARKS
1	2	3	4	5
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10

Total number of experiments: _____

ANALYTICAL DATA					REMARKS
1	2	3	4	5	6
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10

ANALYST'S NAME: _____
 DATE: _____

SUMMARY OF RESULTS					
1	2	3	4	5	6
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10

An estate which is being privately developed and which will comprise 76 dwellings (houses and bungalows) is expected to be completed by the middle of 1968.

Work has been started on another estate which is also being privately developed, and 64 semi-detached three bedroom houses are to be erected.

The Layout and plans for an estate of 120 dwellings (bungalows and houses) have been approved for private development, and work on this will start early in 1968.

The Council have land available for building on two sites, comprising 39 building plots, which have been leased to private individuals for erecting a dwelling for their own occupation, some of the dwellings have been completed and work is proceeding on the remainder.

The Council are erecting 16 - 3 bedroom houses, 16 - one bedroom flats (two stoys) and 16 one bedroom Bungalows for Special Housing for the Aged, with Warden supervision. They are also building a Warden's house. The first two houses were completed and occupied in December, the remainder of the dwellings are to be completed by mid 1968.

Overcrowding or Housing Shortage

During the year 32 applications - 15 for houses and 17 for bungalows or flats - were received, and added to the Housing List.

Five Council houses became vacant during the year and were re-let to applicants on the Housing List; one Old Perople's bungalow was re-let, these in addition to the two new houses which were let.

There were no known cases of overcrowding on the Council's list at the end of the year.

Rent Act, 1957

Part II of the First Schedule

No. of applications for Certificates of Disrepair	...	-
No. of Certificates issued.	...	-
No. of Undertakings given by Landlords to remedy defects	...	-
No. of Applications in which defects were remedied immediately after local authority's notice	...	-
No. of applications withdrawn	...	-
No. of Certificates of Disrepair revoked.	...	-

Offices, Shops and Railway Premises Act, 1963.

	Class of Business				Fuel Stor- age Depots
	Offices	Retail Shops	Whole- sale Shops	Catering Establish- ments open to public	
(a) No. of registered premises at end of year	7	15	-	3	-
(b) No. of registered premises receiving a general inspection during year	7	15	-	3	--
(c) No. of exemptions current at end of year:-					
Space (S.5(2))	-	-	-	-	-
Temperature (S.6)	-	-	-	-	-
Sanitary Conveniences (S.9)	-	-	-	-	-
Washing facilities (S.10)	-	-	-	-	-

The Public Health Inspector made 21 visits to registered premises.

There were no prosecutions.

INSPECTION AND SUPERVISION OF FOOD

Milk Supply

There are 3 producer-retailers with premises in Adlington and 4 retailers with premises outside the district retailing milk in Adlington. In addition, there are 5 shops licensed to sell Sterilized Milk.

The Licensing of Milk Retailers is now the responsibility of the Lancashire County Council and not the local authority.

Brucellosis

77 samples of milk were submitted for bacteriological examination, and as a result it was found that there were infected animals at three Farms in the Urban District. These infected animals were immediately removed from the herds.

In the case of farms outside the area, the appropriate Public Health Authority was advised.

Meat

There is no licensed Slaughterhouse within the District. All slaughtering is done at Chorley Abattoir.

There are 4 butchers and one Port Butcher in the District, and 5 visits were made to these shops during the year.

Other Foods

Food Hygiene (General) Regulations, 1960.

Places where other foods are prepared or kept for sale are inspected by the Public Health Inspector.

There are 6 small bakehouses and 4 fried fish shops in the District - all are kept in a satisfactory condition.

22 inspections of places where food is prepared were made during the year by the Public Health Inspector.

The following list gives the number of food premises by type of business in the district at the end of the year under review, grouped in categories of trade:

Category	Number of premises	No.fitted to comply with Regn.16.	No.of premises to which Regn.19 applies	No.fitted to comply with Regn.19
Grocers and Provisions Dealers	22	22	22	22
Greengrocers & Fruiterers (Inc. Fishmongers)	5	5	5	5
Butchers	5	5	5	5
Bakers and Confectioners	6	6	6	6
Fried Fish Shops	4	4	4	4
Shops selling mainly Sugar Confectionery, Minerals, Ice-cream etc.	5	5	5	5
Licensed premises, Clubs, canteens, cafés, etc.	17	17	17	17

Unsound Food

During the year, 15 lbs. of tinned ham were surrendered as unfit for human consumption.

THE UNIVERSITY OF CHICAGO

Chicago, Ill.

I, the undersigned, do hereby certify that the following is a true and correct copy of the original as the same appears in the records of the University of Chicago.

Witness my hand and the seal of the University of Chicago, this _____ day of _____, 19____.

 President

 Secretary

 Treasurer

 Registrar

 Librarian

 Dean of the Faculty

 Dean of the Graduate School

 Dean of the Law School

 Dean of the Medical School

 Dean of the Divinity School

Name	Rank	Class	Year	Remarks
John Doe	A.B.	Class of 1900	1900	Graduated with honors
Jane Smith	B.S.	Class of 1901	1901	Graduated with honors

 President

 Secretary

Ice-Cream

Ice-cream retailed in shops throughout the district is confined to pre-packed standard brands, but 4 manufacturers from neighbouring districts retail from travelling vans in Adlington.

Food Hygiene Regulations

39 visits have been made to food premises during the year, and it is apparent that retailers are observing the Food Hygiene Regulations so far as they possibly can, and in no case has any statutory action been necessary to enforce the Regulations.

Food Poisoning

There were no cases of food poisoning reported during the year.

Liquid Egg (Pasteurisation) Regulations, 1963.

- (i) No. of egg pasteurisation plants in district at the end of the year ... None.
- (ii) No. of samples of liquid egg submitted to Alpha-Amylase test and their results ... None.
- (iii) There are no liquid egg pasteurisation plants in this area and from enquiries made by the Public Health Inspector, no liquid egg is used by local confectioners.

Poultry Inspection

There are no Poultry Processing Premises within the Urban District.

Prevention of Damage by Pests Act, 1949.

Rodent Control

<u>Properties other than Sewers</u>	<u>Type of Property</u>	
	<u>Non-Agricultural</u>	<u>Agricultural</u>
1. Number of properties in district	1948	11
2.a. Total number of properties (inc. nearby premises) inspected following notification	112	1
B. Number infested by (i) Rats	15	1
(ii) Mice	5	1
3.a. Total number of properties inspected for Rats and/or Mice for reasons other than notification.	29	11
b. Number infested by (i) Rats	5	1
(ii) Mice	2	-

Sewers

A test treatment for Rodent Infestation was carried out during the year. A slight infestation was found and the necessary action taken.

